

09/288,556

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NEWS 1 Web Page URLs for STN Seminar Schedule - N. America  
NEWS 2 "Ask CAS" for self-help around the clock  
NEWS 3 SEP 09 CA/CAPLUS records now contain indexing from 1907 to the  
present  
NEWS 4 DEC 08 INPADOC: Legal Status data reloaded  
NEWS 5 SEP 29 DISSABS now available on STN  
NEWS 6 OCT 10 PCTFULL: Two new display fields added  
NEWS 7 OCT 21 BIOSIS file reloaded and enhanced  
NEWS 8 OCT 28 BIOSIS file segment of TOXCENTER reloaded and enhanced  
NEWS 9 NOV 24 MSDS-CCOHS file reloaded  
NEWS 10 DEC 08 CABA reloaded with left truncation  
NEWS 11 DEC 08 IMS file names changed  
NEWS 12 DEC 09 Experimental property data collected by CAS now available  
in REGISTRY  
NEWS 13 DEC 09 STN Entry Date available for display in REGISTRY and CA/CAPLUS  
NEWS 14 DEC 17 DGENE: Two new display fields added  
NEWS 15 DEC 18 BIOTECHNO no longer updated  
NEWS 16 DEC 19 CROPU no longer updated; subscriber discount no longer  
available  
NEWS 17 DEC 22 Additional INPI reactions and pre-1907 documents added to CAS  
databases  
NEWS 18 DEC 22 IFIPAT/IFIUDB/IFICDB reloaded with new data and search fields  
NEWS 19 DEC 22 ABI-INFORM now available on STN  
  
NEWS EXPRESS DECEMBER 28 CURRENT WINDOWS VERSION IS V7.00, CURRENT  
MACINTOSH VERSION IS V6.0b(ENG) AND V6.0Jb(JP),  
AND CURRENT DISCOVER FILE IS DATED 23 SEPTEMBER 2003  
NEWS HOURS STN Operating Hours Plus Help Desk Availability  
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\* \* \* \* \* STN Columbus \* \* \* \* \*

FILE 'HOME' ENTERED AT 13:06:54 ON 12 JAN 2004

09/288,556

=> file reg

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

0.21

0.21

FILE 'REGISTRY' ENTERED AT 13:07:06 ON 12 JAN 2004

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Property values tagged with IC are from the ZIC/VINITI data file provided by InfoChem.

STRUCTURE FILE UPDATES: 9 JAN 2004 HIGHEST RN 635758-32-6

DICTIONARY FILE UPDATES: 9 JAN 2004 HIGHEST RN 635758-32-6

TSCA INFORMATION NOW CURRENT THROUGH JULY 14, 2003

Please note that search-term pricing does apply when conducting SmartSELECT searches.

Crossover limits have been increased. See HELP CROSSOVER for details.

Experimental and calculated property data are now available. For more information enter HELP PROP at an arrow prompt in the file or refer to the file summary sheet on the web at:

<http://www.cas.org/ONLINE/DBSS/registryss.html>

=>

Uploading 787396a.str

L1 STRUCTURE UPLOADED

=>

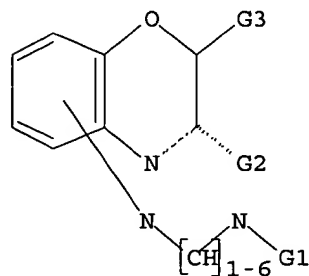
Uploading 787396.str

L2 STRUCTURE UPLOADED

=> d l1

L1 HAS NO ANSWERS

L1 STR



G1 C,H

G2 O,S

G3 Me,Et,n-Pr,i-Pr,n-Bu,i-Bu,s-Bu,t-Bu

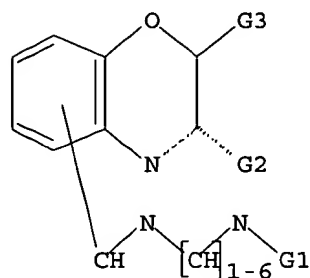
Structure attributes must be viewed using STN Express query preparation.

=> d l2

09/288,556

L2 HAS NO ANSWERS

L2 STR



G1 C,H

G2 O,S

G3 Me,Et,n-Pr,i-Pr,n-Bu,i-Bu,s-Bu,t-Bu

Structure attributes must be viewed using STN Express query preparation.

=> s l1 sss full

FULL SEARCH INITIATED 13:08:09 FILE 'REGISTRY'

FULL SCREEN SEARCH COMPLETED - 2008 TO ITERATE

100.0% PROCESSED 2008 ITERATIONS

0 ANSWERS

SEARCH TIME: 00.00.01

L3 0 SEA SSS FUL L1

=> s l2 sss full

FULL SEARCH INITIATED 13:08:18 FILE 'REGISTRY'

FULL SCREEN SEARCH COMPLETED - 1275 TO ITERATE

100.0% PROCESSED 1275 ITERATIONS

5 ANSWERS

SEARCH TIME: 00.00.01

L4 5 SEA SSS FUL L2

=> file caplus

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

310.84

311.05

FILE 'CAPLUS' ENTERED AT 13:08:25 ON 12 JAN 2004

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FILE COVERS 1907 - 12 Jan 2004 VOL 140 ISS 3

09/288,556

FILE LAST UPDATED: 11 Jan 2004 (20040111/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

=> s 14

L5 2 L4

=> d 15 1-2 ibib abs hitstr

L5 ANSWER 1 OF 2 CAPLUS COPYRIGHT 2004 ACS on STN

ACCESSION NUMBER: 2001:798206 CAPLUS

DOCUMENT NUMBER: 135:331432

TITLE: Preparation of aminobenzoxazines and aminobenzothiazines as nitric oxide synthase inhibitors and antioxidants.

INVENTOR(S): Hoelscher, Peter; Jautelat, Rolf; Rehwinkel, Hartmut; Jaroch, Stefan; Suelzle, Detlev; Hillmann, Margrit; Burton, Gerardine Anne; McDonald, Fiona McDougall

PATENT ASSIGNEE(S): Schering Aktiengesellschaft, Germany

SOURCE: PCT Int. Appl., 33 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: German

FAMILY ACC. NUM. COUNT: 1

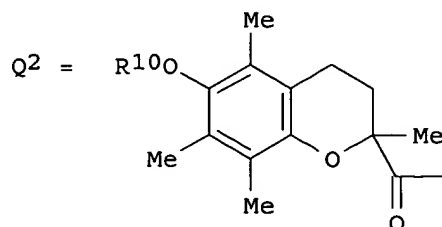
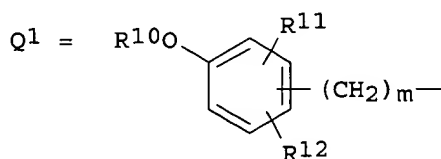
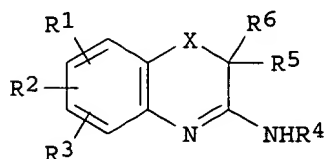
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2001081324	A1	20011101	WO 2001-EP4282	20010412
W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CR, CU, CZ, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM			
RW:	GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG			

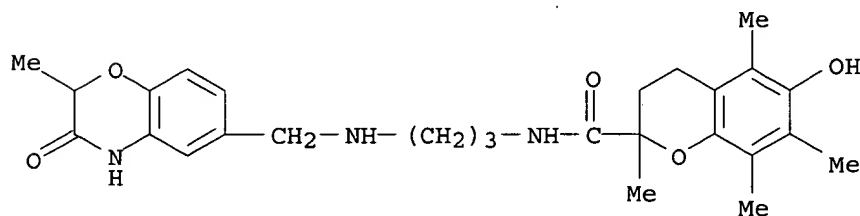
PRIORITY APPLN. INFO.: DE 2000-10021244 A 20000425

OTHER SOURCE(S): MARPAT 135:331432

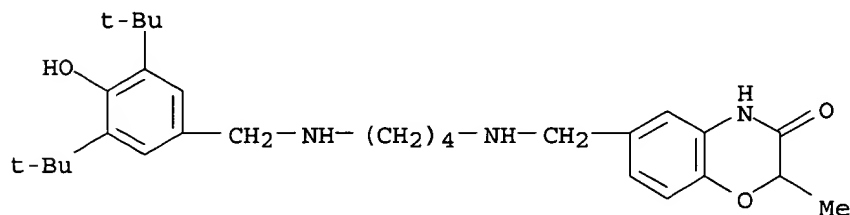
GI



- AB Title compds. [I; X = O, S; R1 = (CHR9)<sub>n</sub>NR7ANR8B, (CHR9)<sub>n</sub>NR8B, (CHR9)<sub>n</sub>B; R2 = H; R1R2 = atoms to form a 5-8 membered mono- or bicyclic (unsatd.) ring in which 1 or 2 CH<sub>2</sub> groups can be replaced by O or CO, and which is substituted by (CHR9)<sub>r</sub>NR7ANR8B, (CHR9)<sub>n</sub>B, or (CHR9)<sub>r</sub>NR8B; R3 = H, amino; R4 = H, acyl; R5, R6 = H, (substituted) cycloalkyl, Ph, C1-6 alkyl, C2-6 alkenyl, C2-6 alkynyl; R7, R8 = H, alkyl, phenylalkyl, alkoxy carbonyl, alkyl carbonyl; A = alkylene, (CH<sub>2</sub>)<sub>p</sub>Q(CH<sub>2</sub>)<sub>q</sub>; Q = cycloalkyl, indanyl, heterocycloalkyl, aryl, heteroaryl; m, n, p, q, r = 0-6; B = Q1, Q2; R9, R10 = H, alkyl; R11, R12 = H, OH, alkyl, alkoxy], were prepd. as nitric oxide synthase inhibitors and antioxidants (no data). Thus, 6-[N-(4-hydroxy-3,5-di-tert-butylbenzyl)-(tert-butoxycarbonyl)aminomethyl]-2-methyl-2H-1,4-benzoxazin-3(4H)-thione (prepn. given) was stirred 1 day with NH<sub>3</sub> in MeOH to give 6-[N-(4-hydroxy-3,5-di-tert-butylbenzyl)-(tert-butoxycarbonyl)aminomethyl]-3-amino-2-methyl-2H-1,4-benzoxazine.
- IT **369650-74-8P 369650-76-0P 369650-79-3P**  
 RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)  
 (prepn. of aminobenzoxazines and aminobenzothiazines as nitric oxide synthase inhibitors and antioxidants)
- RN 369650-74-8 CAPLUS
- CN 2H-1-Benzopyran-2-carboxamide, N-[3-[[[3,4-dihydro-2-methyl-3-oxo-2H-1,4-benzoxazin-6-yl)methyl]amino]propyl]-3,4-dihydro-6-hydroxy-2,5,7,8-tetramethyl- (9CI) (CA INDEX NAME)

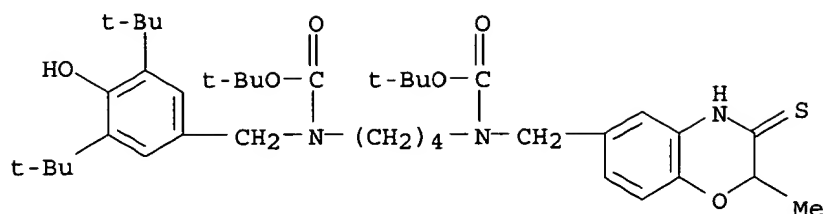


- RN 369650-76-0 CAPLUS
- CN 2H-1,4-Benzoxazin-3(4H)-one, 6-[[[4-[[[3,5-bis(1,1-dimethylethyl)-4-hydroxyphenyl]methyl]amino]butyl]amino]methyl]-2-methyl- (9CI) (CA INDEX NAME)



- RN 369650-79-3 CAPLUS
- CN Carbamic acid, [[3,5-bis(1,1-dimethylethyl)-4-hydroxyphenyl]methyl][4-[[[3,4-dihydro-2-methyl-3-thioxo-2H-1,4-benzoxazin-6-yl)methyl][(1,1-dimethylethoxy)carbonyl]amino]butyl]-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)

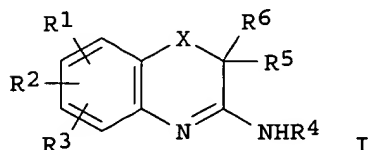
09/288,556



REFERENCE COUNT: 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 2 OF 2 CAPLUS COPYRIGHT 2004 ACS on STN  
 ACCESSION NUMBER: 2001:152656 CAPLUS  
 DOCUMENT NUMBER: 134:193440  
 TITLE: Preparation of benzoxazines and benzothiazines as nitric oxide synthase inhibitors.  
 INVENTOR(S): Hoelscher, Peter; Rehwinkel, Hartmut; Jaroch, Stefan; Suelzle, Detlev; Hillmann, Margrit; Burton, Gerardine Anne; McDonald, Fiona McDougall  
 PATENT ASSIGNEE(S): Schering AG, Germany  
 SOURCE: PCT Int. Appl., 35 pp.  
 CODEN: PIXXD2  
 DOCUMENT TYPE: Patent  
 LANGUAGE: German  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2001014347	A1	20010301	WO 2000-EP8240	20000823
W: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DK, DM, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
DE 19941115	A1	20010301	DE 1999-19941115	19990825
EP 1206458	A1	20020522	EP 2000-962367	20000823
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL				
JP 2003507460	T2	20030225	JP 2001-518435	20000823
NO 2002000883	A	20020405	NO 2002-883	20020222
PRIORITY APPLN. INFO.:				
DE 1999-19941115 A 19990825				
WO 2000-EP8240 W 20000823				
OTHER SOURCE(S): MARPAT 134:193440				
GI				



AB Title compds. [I; X = O, S, SO, SO<sub>2</sub>; R<sub>1</sub> = (CHR<sub>9</sub>)<sub>n</sub>NR<sub>7</sub>ANR<sub>8</sub>B, (CHR<sub>9</sub>)<sub>n</sub>NR<sub>7</sub>B, etc.; R<sub>2</sub> = H; R<sub>1</sub>R<sub>2</sub> = atoms to form 5-8 membered mono- or bicyclic (unsatd.) (alkyl-substituted) ring substituted by R<sub>1</sub>; R<sub>3</sub> = H, halo, NO<sub>2</sub>, cyano, CF<sub>3</sub>, OCF<sub>3</sub>, SR<sub>9</sub>, OR<sub>9</sub>, cycloalkyl, heteroaryl, COR<sub>14</sub>, (substituted) aryl, alkyl, alkenyl, alkynyl; R<sub>4</sub> = H, acyl; R<sub>5</sub>, R<sub>6</sub> = H, (substituted) cycloalkyl, Ph, alkyl, alkenyl, alkynyl; R<sub>7</sub> = H, alkyl, phenylalkyl, alkoxy carbonyl, alkyl carbonyl; R<sub>8</sub> = H; A = alkylene, alkenylene; B = C:R(CH<sub>2</sub>)<sub>p</sub>U, C:RNR<sub>15</sub>, SOR<sub>12</sub>, aryloxy carbonyl, benzyloxy carbonyl; R<sub>8</sub>B = 5-7 membered (substituted) heterocyclyl; R = O, S; n, p = 0-6; R<sub>9</sub> = H, alkyl; R<sub>14</sub> = H, OH, alkoxy, Ph, (substituted) alkyl, alkenyl; R<sub>15</sub> = H, alkyl, (substituted) Ph, PhCH<sub>2</sub>], were prepd. as NOS inhibitors (no data). Thus, 6-[[N-(4-chlorobenzyl)pentanethiocarboxamid-6-yl]-(tert.-butyloxy carbonyl)aminomethyl]-3-amino-2-methyl-2H-1,4-benzoxazine.

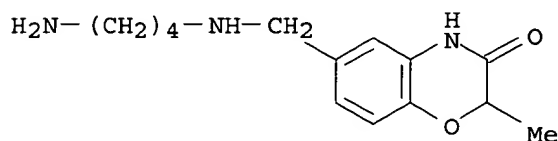
IT 327157-36-8

RL: RCT (Reactant); RACT (Reactant or reagent)

(prepn. of benzoxazines and benzothiazines as nitric oxide synthase inhibitors)

RN 327157-36-8 CAPLUS

CN 2H-1,4-Benzoxazin-3(4H)-one, 6-[[[(4-aminobutyl)amino]methyl]-2-methyl-, dihydrochloride (9CI) (CA INDEX NAME)



● 2 HCl

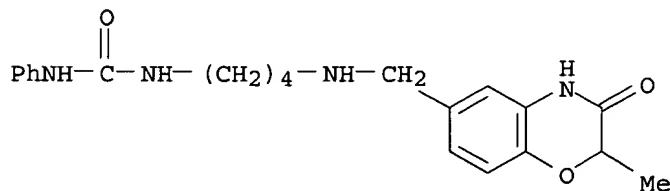
IT 327157-31-3P

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)

(prepn. of benzoxazines and benzothiazines as nitric oxide synthase inhibitors)

RN 327157-31-3 CAPLUS

CN Urea, N-[4-[[[(3,4-dihydro-2-methyl-3-oxo-2H-1,4-benzoxazin-6-yl)methyl]amino]butyl]-N'-phenyl- (9CI) (CA INDEX NAME)



REFERENCE COUNT:

3

THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT